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(54) **SYSTEMS AND METHODS FOR RADIO FREQUENCY HEAD VALIDATION VIA ANTENNA COUPLING OR SIGNAL REFLECTION**

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(57) **ABSTRACT**

An electronic device has multiple transmitters to transmit multiple signals. The electronic device also has a receiver to receive a signal. Moreover, the electronic device has a memory to store instructions and a processor to execute the instructions. The instructions cause the processor to send a test transmission signal from a transmitter of the multiple of transmitters, receive the test transmission signal at the receiver, and determine a gain of the test transmission signal. In response to determining that the gain is within a threshold range of an initial gain, the instructions cause the processor to send an indication that the receiver is operating as expected.